



THE LABOUR FORCE AUSTRALIA

JUNE 1980

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AUSTRALIAN BUREAU OF STATISTICS Canberra

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1. LABOUR FORCE ESTIMATES

EXPLANATORY NOTES

Introduction

This section contains estimates of the civilian labour force derived from the population survey, which is now conducted monthly. Until February 1978, surveys were conducted in February, May, August and November each year.

2. A summary of the survey results is published in advance of this more detailed publication in *The Labour Force, Australia (Preliminary)* (6202.0). Preliminary unemployment estimates are also issued in advance of this publication in *Unemployment, Australia, Preliminary Estimates* (6201.0).

3. Although emphasis in the survey is placed on the regular collection of data on demographic and labour force characteristics of the population, supplementary and special surveys of particular aspects of the labour force or of other subjects are carried out from time to time. Statistics from these surveys are published and are available free on request. A list of titles is given on pages 27 and 28.

The population survey

4. The survey is based on a multi-stage area sample of private dwellings (about 30,000 houses, flats, etc.) and non-private dwellings (hotels, motels, etc.), and covers about two-thirds of one per cent of the population of Australia. The information is obtained from the occupants of selected dwellings by carefully chosen and specially trained interviewers. The interviews are generally conducted during the two weeks beginning on the Monday between the 6th and 12th of each month. The information obtained relates to the week before the interview (i.e. the survey week). Because of operational problems arising from the Christmas and New Year holidays the December surveys commence a week earlier than usual (with most interviews being conducted during the second week) and the January surveys commence a week later than usual.

Scope

5. The survey includes all persons aged fifteen years and over except:

- (a) members of the permanent defence forces,
- (b) certain diplomatic personnel of overseas governments, customarily excluded from census and estimated populations,
- (c) overseas visitors holidaying in Australia, and
- (d) members of non-Australian defence forces (and their dependants) stationed in Australia.

Definitions

6. The labour force category to which a person is assigned depends on his *actual activity* (i.e. whether working, looking for work, etc.) during the survey week.

The following definitions, which conform closely to the international standard definitions specified by the ILO, relate only to those persons within the scope of the survey.

7. *Employed persons* comprise all those aged 15 years and over who, during the survey week:

- (a) worked for one hour or more for pay, profit, commission or payment in kind in a job or business, or on a farm (including employees, employers and self-employed persons); or
- (b) worked for 15 hours or more without pay in a family business or on a farm (i.e. unpaid family helpers); or
- (c) were employees who had a job but were not at work and were: on paid leave; on leave without pay for less than four weeks up to the end of the survey week; stood down without pay because of bad weather or plant breakdown at their place of employment for less than four weeks up to the end of the survey week; on strike or locked out; on workers' compensation and expected to be returning to their job; or receiving wages or salary while undertaking full-time study; or
- (d) were employers or self-employed persons who had a job, business or farm, but were not at work.

8. The *employment/population ratio* for any group is the number of employed persons expressed as a percentage of the civilian population aged fifteen years and over in the same group.

9. *Unemployed persons* are those aged 15 years and over who were not employed during the survey week, and

- (a) had actively looked for full-time or part-time work at any time in the four weeks up to the end of the survey week and:
 - (i) were available for work in the survey week, or would have been available except for temporary illness (i.e. lasting for less than four weeks to the end of the survey week); or
 - (ii) were waiting to start a new job within four weeks from the end of the survey week and would have started in the survey week if the job had been available then;

or (b) were waiting to be called back to a full-time or part-time job from which they had been stood down without pay for less than four weeks up to the end of the survey week (including the whole of the survey week) for reasons other than bad weather or plant breakdown.

10. *Unemployed persons looking for first job* are those who had never worked for two weeks or more in a full-time job. Prior to November 1977 it comprised persons who had never had a job.

11. The *unemployment rate* for any group is the number unemployed expressed as a percentage of the labour force (i.e. employed plus unemployed) in the same group.

12. *Duration of unemployment* is the period from the time the person began looking for work or was laid off to the end of the survey week. Periods of unemployment are recorded in complete weeks and this results in a slight understatement of duration. *Average (mean) duration* is the duration obtained by dividing the aggregate number of weeks a group has been unemployed by the number of persons in that group. *Median duration* is the duration which divides unemployed persons into two equal groups, one comprising persons whose duration of unemployment is above the median and the other persons whose duration is below it. Medians are calculated from group data, linear interpolation being used within the group which contains the median.

13. The *labour force* comprises all persons who, during the survey week, were employed or unemployed, as defined in paragraphs 7 and 9.

14. The *labour force participation rate* for any group is the labour force expressed as a percentage of the civilian population aged 15 years and over in the same group. Because it is not practicable to ascertain the birthplace of persons in institutions (who are classified as not in the labour force), labour force participation rates for persons classified by birthplace are calculated by using population estimates which exclude those in institutions.

15. *Full-time workers* are those who usually work 35 hours a week or more and others who, although usually part-time workers, worked 35 hours or more during the survey week. *Part-time workers* are those who usually work less than 35 hours a week and who did so during the survey week. When recording hours of work, fractions of an hour are disregarded.

16. *Hours of work.* The figures of aggregate hours and of average hours refer to actual hours worked during the survey week, not hours paid for. The figures may be affected by public holidays, leave, absenteeism; temporary absence from work due to sickness, injury, accident and industrial disputes; and stoppages of work due to bad weather, plant breakdown etc. When hours of work are recorded, fractions of an hour are disregarded and this results in slightly lower figures than would be the case if actual time worked was recorded. Persons stood down for the whole of the survey week without pay because of bad weather or plant breakdown at their place of employment are regarded as employed and therefore are included (working no hours) in the calculation of average hours worked. Persons stood down in the survey week for reasons other than bad weather and plant breakdown and waiting to be called back to their job are regarded as unemployed and are therefore excluded from the calculation.

17. *Persons attending school* comprise those who, during the survey week, were enrolled full-time at secondary or high schools. Excluded are persons who were enrolled at universities, colleges of advanced education, technical colleges, other tertiary education institutions, and coaching and business schools. Persons attending school are classified as in the labour force if they were employed or unemployed as defined in paragraphs 7 and 9.

18. *Persons not in the labour force* are those who, during the survey week, were not in the categories 'employed' or 'unemployed'. This category includes persons who were keeping house (unpaid), attending an educational institution (school, university, etc.), retired, voluntarily inactive, permanently unable to work, inmates of institutions, trainee teachers, members of contemplative religious orders, and persons whose only activity during the survey week was jury service or unpaid voluntary work for a charitable organisation, provided they had not actively looked for work in the four weeks up to the end of the survey week, and

(a) in the survey week:

- (i) were without a job, business or farm; or
- (ii) had worked for less than one hour for pay, profit, commission or payment in kind; or
- (iii) had worked for less than 15 hours without pay in a family business or farm;

or (b) had been stood down without pay for four weeks or more up to the end of the survey week.

Occupational status

19. The February, May, August and November issues of this publication include a table showing estimates of employed persons, obtained from the labour force survey, classified by occupational status, i.e. whether they were employers, self-employed persons, wage and salary earners (employees), or unpaid family helpers (who worked 15 hours or more in the survey week).

20. The estimates of wage and salary earners differ from estimates based on information obtained from employers' payrolls and published in *Civilian Employees, Australia* (6213.0) because of differences in definition and coverage, sources of information, methods of collection, and estimating procedures. Sampling variability in the survey estimates and non-sampling error in both series also account for some differences. Other points to be kept in mind are as follows:

- (a) Employees in agriculture and services to agriculture, and those employed in private households, are excluded from the payroll-based estimates but included in the labour force survey estimates.

- (b) The payroll series relates to persons on payrolls for the last pay-period in the month whilst the labour force series generally refers to a period early in the month. (See paragraph 4.)
- (c) The current data used to derive the estimates for the payroll series are obtained mainly from payroll tax returns and returns from government bodies. The former are administrative records under the control of the various Commonwealth and State taxation authorities; hence the levels of exemption from tax and collection and other procedures may differ. Changes in any of these, particularly changes in the exemption limits, affect the continuity of the data source, and this in turn may affect the estimates.
- (d) Recorded employment in the payroll series accounts for about 85 per cent of employees in the industries covered, and the remaining 15 per cent is estimated.
- (e) The population benchmarks used in calculating the labour force estimates are necessarily preliminary and are generally revised after each population census. Similarly, the benchmarks for the payroll series, obtained from population censuses and other censuses and surveys, are subject to periodic revision.
- (f) In the labour force survey the information is generally obtained from only one occupant of each selected dwelling; hence some misreporting of occupational status is possible.
- (g) The labour force estimates generally show larger variations in employment in the short-term than do the payroll-based estimates, but appear to be more reliable in the longer-term. On the other hand the payroll estimates provide more comprehensive and reliable statistics of employees classified by industry.

Classification of industry and occupation

21. Industry is classified according to the *Australian Standard Industrial Classification (ASIC) 1978* and occupation according to the *Classification and Classified List of Occupations, Revised June 1976*.

Population benchmarks

22. The population survey estimates are calculated in such a way as to conform to the independently estimated distribution of the population aged 15 years and over by age and sex. These independent estimates (benchmarks) are necessarily derived from incomplete information about population changes (deaths, internal and overseas migration) and can differ from estimates of the population subsequently published by the ABS. For estimates of the population and other demographic statistics reference should be made to *Australian Demographic Statistics Quarterly* (3101.0).

Revision of series

23. Survey estimates are not revised for the usually small amendments of population benchmarks arising from new data on deaths and migration. Revisions are made, however, after each census and when population estimation bases are reviewed. Survey estimates back to August 1966 have been recalculated to conform to revised population estimates. The estimates take account of results of the 1966, 1971 and 1976 population censuses, including estimates of under-enumeration, and incorporate a revised method of measuring overseas migration gain (i.e. by excluding movements of less than one year's duration). For information concerning these population estimates for the period June 1971 to June 1977 see *Population and Vital Statistics: June Quarter 1977* (3212.0).

24. *The new sample and revised questionnaire.* Survey estimates for February 1978 and subsequent months have been obtained by using a new sample and revised questionnaire. The new sample was selected in order to reflect the changes in the distribution of the population shown by the 1976 Population Census results. The questionnaire, which had undergone little change since 1960, except for the inclusion in 1975 of additional questions on job-seeking, was revised to provide more accurate and more detailed information concerning the labour force.

25. Copies of both the current questionnaire and the one previously used, together with a description of the main features of the questionnaire, are contained in *Information Paper: Questionnaires used in the Labour Force Survey* (6232.0).

26. Estimates for the period August 1966 to November 1977 have been revised in order to provide a series for earlier periods as comparable as possible with the February 1978 and later estimates. For periods prior to August 1976, detailed revised estimates are available only for August of each year. For February, May and November only broad revised aggregates (as in Table 1) are available. Revised estimates have been published in *The Labour Force, Australia, 1978* (6204.0), which also contains information concerning the methods used in the revision.

Comparability of series

27. When comparing estimates for February 1978 and subsequent months with those for earlier periods, it should be noted that with the introduction of monthly surveys the interviews are now conducted during a two-week period, whereas formerly the period was four weeks. This change of timing may affect the level of the figures for any month, but particularly for months during which the employment status of the population may be changing rapidly.

28. Because of the revisions, the estimates in this publication are not comparable with those shown in issues before February 1978 or in the special publications entitled *The Labour Force* (6204.0) covering the period 1964 to 1977.

29. The survey periods for February in the years 1971, 1972, 1974 and 1976 were later than in other years, and as a consequence the estimates of the proportion of the population 15 years and over who attended school was correspondingly higher. In addition, in February 1974 the survey period in Queensland was delayed by a further week in order to avoid as far as possible the effects of the flood in the south-east area of the State.

30. Because of the effects of cyclone Tracy the population survey was not conducted in Darwin in February 1975. The estimates for this period therefore exclude Darwin.

31. From September 1979, industry estimates in labour force survey publications have been classified according to the 1978 version of the Australian Standard Industrial Classification (ASIC). The estimates are therefore not strictly comparable with those for periods prior to September 1979, which were classified according to the 1969 version of ASIC.

32. Occasionally the estimates of month-to-month changes in numbers employed are difficult to reconcile with what is known of developments in industry, commerce or government employment. For this reason an investigation is being undertaken of methods and procedures used in producing the estimates.

Reliability of the estimates

33. Since the estimates in this section are based on information obtained from occupants of a sample of dwellings they are subject to sampling variability; that is, they may differ from the figures that would have been produced if all dwellings had been included in the survey. An indication of the likely differences is given in the technical note, page 25.

Differences between population census and population survey estimates

34. The results of the 1976 population census show that labour force figures derived from the census differ from estimates derived from the population surveys of May and August 1976.

35. The labour force definition used in the population census is similar to that used in the survey. (See paragraphs 6 to 18.) However, evidence from census post-enumeration surveys indicates that the personal interview approach, as used in the population survey, tends to identify a larger number of persons as being in the labour force than does the filling in of the questions on the census schedule by the householder. In addition, the post-enumeration survey following the 1976 census showed an under-enumeration of the population of 2.71 per cent. It has not been possible to adjust the published census labour force figures for any under-enumeration.

36. In the 1971 and 1976 censuses the minor occupation group 'Architects, engineers, surveyors, professional' was limited solely to persons holding a university degree.

Other persons describing themselves in professional terms but not holding a degree were classified to minor group 'Draftsmen and technicians, n.e.c.'. Information to enable this distinction to be made in the labour force survey is not available.

37. These considerations should be borne in mind if comparisons are made between census and labour force survey estimates.

Seasonal adjustment

38. The move to the higher level of unemployment since 1974 appears to have been accompanied by shifts in the pattern of seasonal variation. For this reason the publication of seasonally adjusted figures of unemployment was suspended as from November 1977. The matter will be kept under review.

39. Seasonally adjusted quarterly estimates of employed persons, the labour force and labour force participation rates are published in the February, May, August and November issues. The seasonally adjusted figures are revised annually. A table of seasonally adjusted estimates for the period August 1976 to May 1980 was published in the May 1980 issue. Estimates for earlier periods are published in *Seasonally Adjusted Indicators, Australia 1980* (1308.0) which also contains information on seasonal adjustment methods, etc. Calculation of seasonally adjusted monthly figures is not yet possible.

Additional tables

40. Labour force estimates for employed persons classified by industry and occupation and for seasonally adjusted series, are available only each quarter. Estimates relating to these characteristics are included in only some issues of this publication, as shown below.

February, May, August and November—

Average weekly hours worked: Industry and occupation
Employed persons: Occupational status of full-time and part-time workers
Employed married women: Industry and hours worked
Seasonally adjusted series.

The following estimates are available for February, May, August and November but are published only for the months shown.

February—

Employed persons—
Industry and marital status
Industry and birthplace
Occupation and marital status
Occupation and birthplace.

May—

Employed persons: Occupation—major and minor groups
Employed persons: Hours worked, by industry.

August—

Employed persons: Industry by occupation.

November—

Employed persons—
Industry by full-time and part-time status
Occupation by full-time and part-time status
Industry by age.

Other unpublished data from labour force surveys may be available on request.

Related publications

41. Users may also wish to refer to the following publications which are available on request:

Unemployment, Australia (Preliminary Estimates) (6201.0)—issued monthly

The Labour Force, Australia (Preliminary) (6202.0)—issued monthly

The Labour Force, Australia, 1978 (6204.0)

Unemployment, Underemployment and Related Activities, Australia, February 1978 to February 1980 (6236.0)

The Labour Force, New South Wales (6201.1)—issued quarterly

The Labour Force, Victoria (6201.2)—issued monthly

The Labour Force, Queensland (6201.3)—issued quarterly

The Labour Force, South Australia (6201.4)—issued quarterly

Information Paper: Questionnaires used in the Labour Force Survey (6232.0)

Civilian Employees, Australia (6213.0)—issued monthly

Job Vacancies, Australia (6231.0)—issued quarterly

Overtime, Australia (6330.0)—issued monthly

Publications listed on pages 27 and 28.

42. Current publications produced by the ABS are listed in *Catalogue of Publications* (1101.0) which is available free of charge from any ABS office.

Symbols and other usages

* subject to sampling variability too high for most practical uses. See paragraph 6, page 25.

n.a. not available.

... not applicable.

n.e.c. not elsewhere classified.

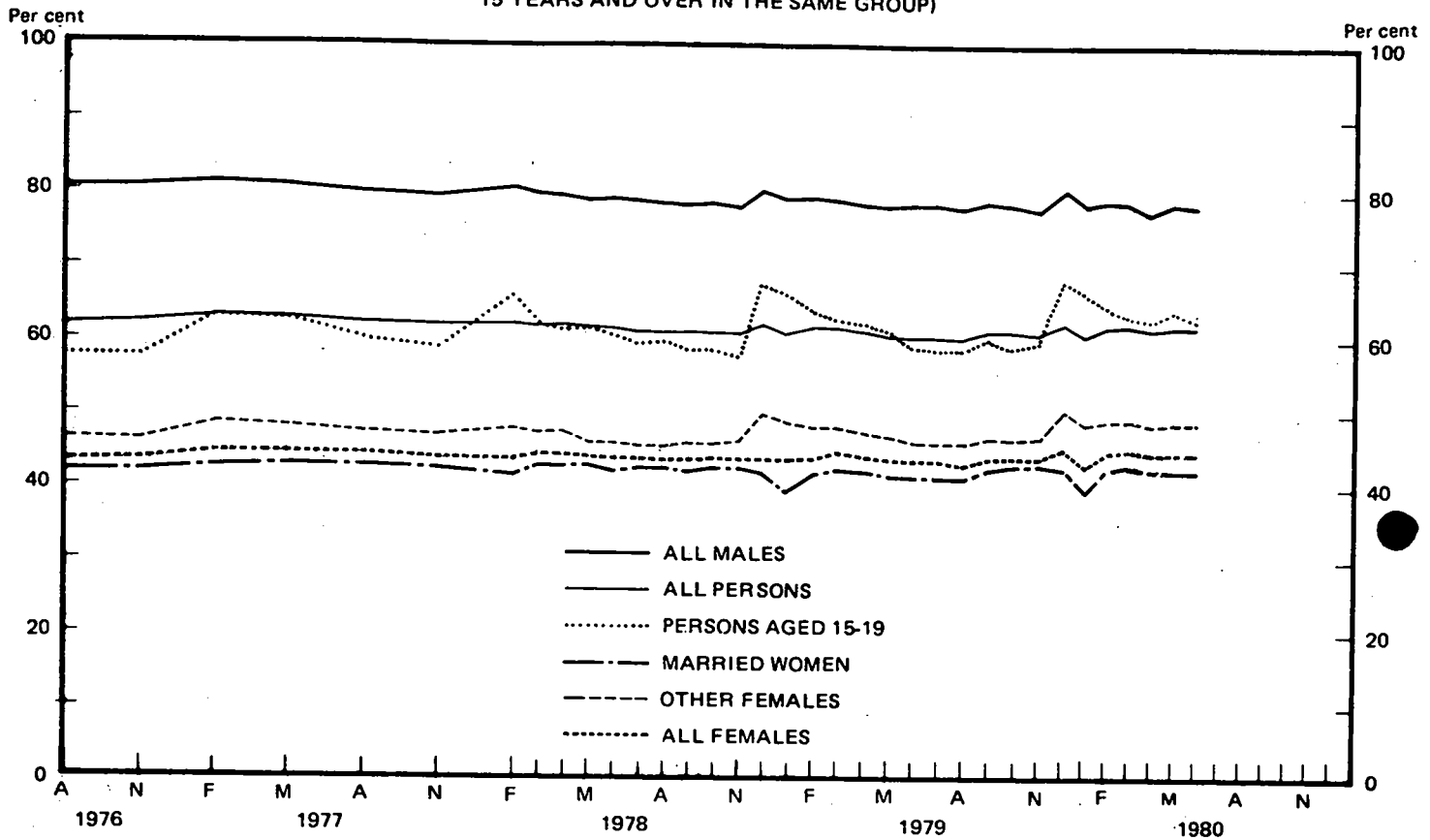
— nil or rounded to zero.

43. Figures have been rounded and discrepancies may occur between sums of the component items and totals.

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LABOUR FORCE PARTICIPATION RATES

(THE LABOUR FORCE IN EACH GROUP AS A PERCENTAGE OF THE CIVILIAN POPULATION AGED 15 YEARS AND OVER IN THE SAME GROUP)



NOTE. From February 1978 the population survey has been conducted monthly. Previously, surveys were conducted in February, May, August and November each year.

UNEMPLOYMENT RATES

(THE UNEMPLOYED IN EACH GROUP AS A PERCENTAGE OF THE CIVILIAN LABOUR FORCE IN THE SAME GROUP)

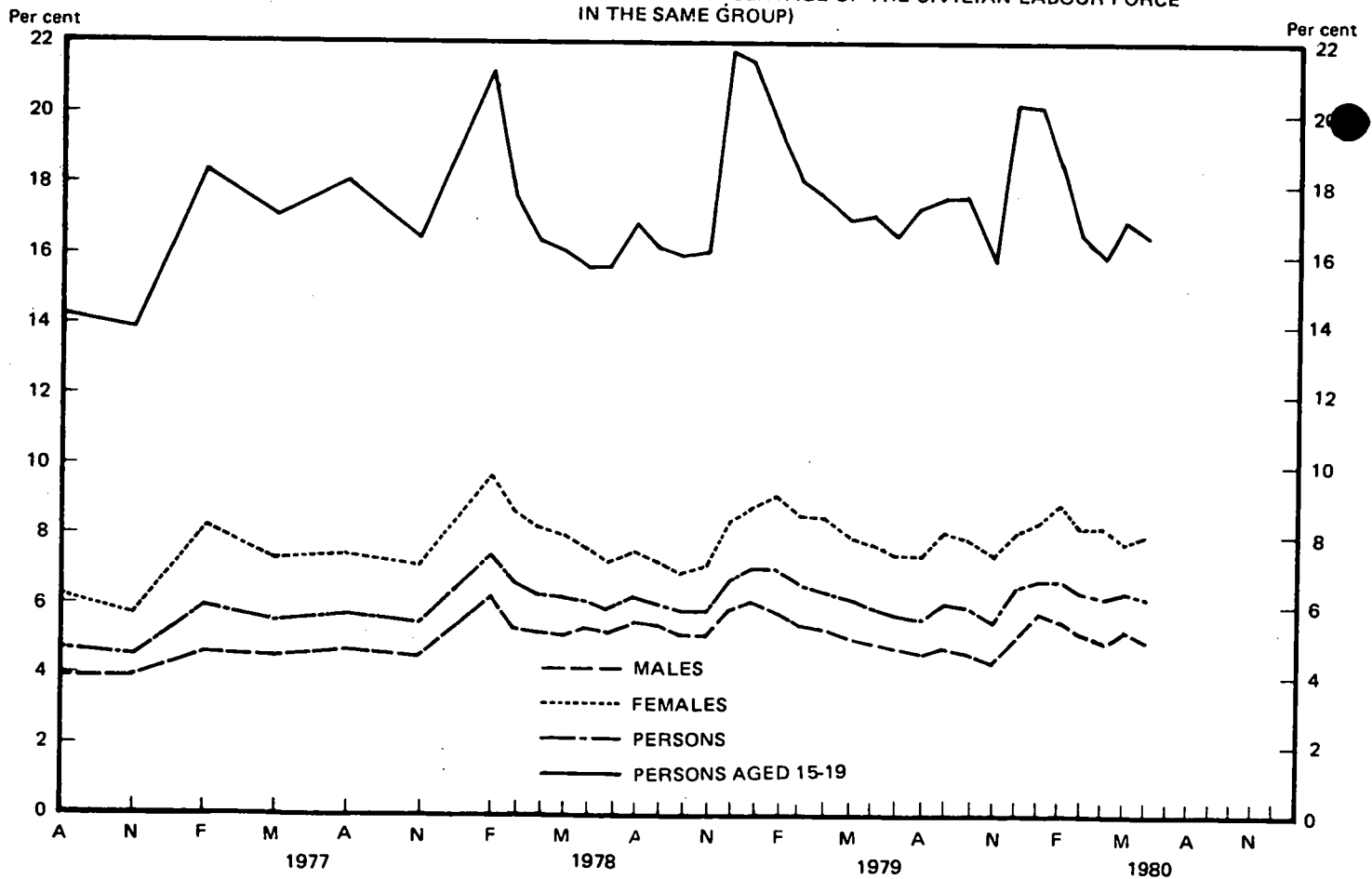


TABLE 1. CIVILIAN POPULATION AGED 15 YEARS AND OVER, BY EMPLOYMENT STATUS(a)

Month	Employed	Unemployed				Labour force	Not in labour force	Civilian population aged 15 years and over	Unemployment rate	Participation rate
		Looking for full-time work		Looking for part-time work	Total					
		Aged 15-19 years looking for first job	Total							
— '000 —										
— per cent —										
MALES										
1979—										
April	3,907.4	25.6	202.1	15.1	217.2	4,124.6	1,120.6	5,245.2	5.3	78.6
May	3,908.3	22.0	197.7	13.0	210.6	4,118.9	1,132.4	5,251.3	5.1	78.4
June	3,909.6	19.7	192.8	13.2	206.0	4,115.6	1,139.8	5,255.4	5.0	78.3
July	3,910.8	18.1	188.2	13.4	201.6	4,112.4	1,149.7	5,262.1	4.9	78.2
August	3,904.5	20.0	182.8	13.3	196.1	4,100.7	1,167.9	5,268.6	4.8	77.8
September	3,939.3	21.2	184.7	16.9	201.6	4,140.9	1,134.7	5,275.7	4.9	78.5
October	3,930.9	23.2	178.1	17.8	195.9	4,126.8	1,157.2	5,284.1	4.7	78.1
November	3,931.2	20.0	171.5	12.4	183.8	4,115.0	1,177.6	5,292.6	4.5	77.8
December	3,992.3	38.5	202.2	22.0	224.2	4,216.4	1,087.4	5,303.8	5.3	79.5
1980—										
January	3,937.6	41.2	226.9	15.4	242.3	4,179.9	1,132.1	5,312.0	5.8	78.7
February	3,960.1	32.5	215.2	15.3	230.4	4,190.6	1,129.9	5,320.5	5.5	78.8
March	3,971.1	24.1	196.3	15.2	211.5	4,182.6	1,145.4	5,328.0	5.1	78.5
April	3,949.6	16.3	192.9	14.1	206.9	4,156.6	1,178.5	5,335.1	5.0	77.9
May	3,981.2	18.7	201.0	18.9	219.9	4,201.1	1,140.6	5,341.6	5.2	78.6
June	3,970.3	19.8	193.1	15.8	208.9	4,179.2	1,169.8	5,348.9	5.0	78.1
Standard error of—										
June 1980 estimates	13.9	2.0	5.1	1.8	5.2	14.1	9.5	..	0.1	0.3
May to June 1980 movement	9.7	2.0	4.3	1.9	4.4	9.8	7.1	..	0.1	0.2
MARRIED WOMEN										
1980—										
April	1,358.5	*	45.4	38.1	83.5	1,442.0	2,007.9	3,449.9	5.8	41.8
May	1,356.3	*	40.0	32.2	72.2	1,428.5	2,035.9	3,464.4	5.1	41.2
June	1,362.6	*	38.3	34.7	73.0	1,435.6	2,009.4	3,445.0	5.1	41.7
July	1,368.2	*	41.4	33.6	75.0	1,443.2	2,004.3	3,447.5	5.2	41.9
August	1,347.2	*	41.7	31.9	73.6	1,420.8	2,020.8	3,441.6	5.2	41.3
September	1,374.8	*	46.8	37.4	84.3	1,459.1	1,990.2	3,449.3	5.8	42.3
October	1,392.7	*	45.1	39.0	84.1	1,476.8	1,973.1	3,450.0	5.7	42.8
November	1,408.5	*	41.8	34.7	76.5	1,485.0	1,980.7	3,465.7	5.1	42.8
December	1,392.6	*	36.8	31.1	67.9	1,460.5	2,011.1	3,471.5	4.6	42.1
1980—										
January	1,318.2	*	38.1	25.3	63.4	1,381.6	2,102.7	3,484.3	4.6	39.7
February	1,370.7	*	48.2	36.4	84.6	1,455.3	2,006.5	3,461.9	5.8	42.0
March	1,402.3	*	46.1	36.6	82.7	1,484.9	1,971.8	3,456.7	5.6	43.0
April	1,392.1	*	43.2	32.7	75.9	1,467.9	1,997.5	3,465.4	5.2	42.4
May	1,394.7	*	39.5	34.1	73.6	1,468.2	1,992.9	3,461.1	5.0	42.4
June	1,400.0	*	42.8	35.4	78.1	1,478.2	1,987.1	3,465.3	5.3	42.7
Standard error of—										
June 1980 estimates	10.1	..	2.8	2.5	3.5	10.3	11.3	..	0.2	0.3
May to June 1980 movement	7.5	..	2.6	2.4	3.2	7.6	8.2	..	0.2	0.2

For footnote see page 10.

TABLE 1. CIVILIAN POPULATION AGED 15 YEARS AND OVER, BY EMPLOYMENT STATUS(a) — continued

Month	Unemployed									
	Employed	Looking for full-time work		Looking for part-time work	Total	Labour force	Not in labour force	Civilian population aged 15 years and over	Unemployment rate	Participation rate
		Aged 15-19 years looking for first job	Total							
— '000 —					— per cent —					
ALL FEMALES										
1979—										
April	2,149.0	30.0	144.2	55.3	199.5	2,348.5	3,027.2	5,375.7	8.5	43.7
May	2,135.0	28.9	137.5	48.5	186.0	2,321.0	3,061.3	5,382.3	8.0	43.1
June	2,148.0	27.2	130.7	52.6	183.3	2,331.3	3,055.4	5,386.7	7.9	43.3
July	2,156.8	24.3	131.3	49.7	181.0	2,337.7	3,056.2	5,394.0	7.7	43.3
August	2,136.9	25.2	130.1	47.5	177.7	2,314.6	3,086.4	5,401.0	7.7	42.9
September	2,178.8	27.7	138.3	56.6	194.9	2,373.7	3,035.2	5,408.9	8.2	43.9
October	2,194.4	25.1	133.5	58.4	191.8	2,386.2	3,031.3	5,417.5	8.0	44.0
November	2,219.4	22.7	125.1	51.7	176.8	2,396.2	3,030.2	5,426.4	7.4	44.2
December	2,227.7	45.6	151.6	51.1	202.7	2,430.4	3,007.5	5,437.9	8.3	44.7
1980—										
January	2,141.5	48.4	154.1	41.4	195.5	2,337.0	3,109.3	5,446.3	8.4	42.9
February	2,213.9	40.0	160.5	53.5	214.1	2,428.0	3,026.9	5,454.9	8.8	44.5
March	2,272.1	31.5	142.8	58.1	200.9	2,473.0	2,989.2	5,462.2	8.1	45.3
April	2,242.4	28.5	146.3	51.3	197.5	2,440.0	3,030.6	5,470.6	8.1	44.6
May	2,256.6	29.8	141.6	52.1	193.7	2,450.3	3,027.2	5,477.5	7.9	44.7
June	2,262.4	26.6	144.7	52.5	197.1	2,459.6	3,025.9	5,485.5	8.0	44.8
Standard error of—										
June 1980 estimates	11.7	2.2	4.5	3.0	5.1	12.0	12.8	..	0.2	0.2
May to June 1980 movement	8.5	2.3	3.9	2.8	4.3	8.6	9.1	..	0.2	0.2
PERSONS										
1979—										
April	6,056.4	55.6	346.4	70.4	416.8	6,473.1	4,147.8	10,621.0	6.4	60.9
May	6,043.3	51.0	335.1	61.4	396.6	6,439.9	4,193.6	10,633.5	6.2	60.6
June	6,057.6	46.9	323.6	65.8	389.3	6,446.9	4,195.2	10,642.1	6.0	60.6
July	6,067.6	42.4	319.5	63.0	382.5	6,450.1	4,205.9	10,656.1	5.9	60.5
August	6,041.5	45.2	312.9	60.8	373.8	6,415.3	4,254.3	10,669.6	5.8	60.1
September	6,118.1	48.8	323.0	73.5	396.5	6,514.6	4,170.0	10,684.6	6.1	61.0
October	6,125.2	48.3	311.6	76.2	387.8	6,513.0	4,188.5	10,701.5	6.0	60.9
November	6,150.6	42.7	296.5	64.1	360.6	6,511.2	4,207.8	10,719.0	5.5	60.7
December	6,219.9	84.0	353.7	73.1	426.9	6,646.8	4,094.9	10,741.7	6.4	61.9
1980—										
January	6,079.1	89.7	380.9	56.9	437.8	6,516.9	4,241.4	10,758.3	6.7	60.6
February	6,174.1	72.5	375.7	68.8	444.5	6,618.6	4,156.8	10,775.4	6.7	61.4
March	6,243.2	55.6	339.1	73.3	412.4	6,655.6	4,134.6	10,790.2	6.2	61.7
April	6,192.1	44.7	339.1	65.3	404.5	6,596.5	4,209.1	10,805.7	6.1	61.0
May	6,237.8	48.4	342.6	71.0	413.6	6,651.4	4,167.7	10,819.1	6.2	61.5
June	6,232.7	46.4	337.7	68.3	406.0	6,638.8	4,195.7	10,834.4	6.1	61.3
Standard error of—										
June 1980 estimates	15.7	2.8	6.2	3.3	6.6	16.0	14.1	..	0.1	0.1
May to June 1980 movement	10.8	2.7	5.1	3.1	5.3	10.9	9.8	..	0.1	0.1

(a) For information on standard errors see technical note, page 25.

TABLE 2. CIVILIAN POPULATION AGED 15 YEARS AND OVER, BY EMPLOYMENT STATUS AND MARITAL STATUS, JUNE 1980

	Employed	Unemployed		Total	Labour force	Not in labour force	Civilian population aged 15 years and over	Unemployment rate	Participation rate
		Looking for full-time work	Looking for part-time work						
				— '000 —				— per cent —	
Males—									
Married	2,769.8	72.3	4.5	76.7	2,846.5	650.1	3,496.6	2.7	81.4
Other(a)	1,200.5	120.8	11.4	132.2	1,332.6	519.7	1,852.3	9.9	71.9
Total	3,970.3	193.1	15.8	208.9	4,179.2	1,169.8	5,348.9	5.0	78.1
Females—									
Married	1,400.0	42.8	35.4	78.1	1,478.2	1,987.1	3,465.3	5.3	42.7
Other(a)	862.4	101.9	17.1	119.0	981.4	1,038.8	2,020.2	12.1	48.6
Total	2,262.4	144.7	52.5	197.1	2,459.6	3,025.9	5,485.5	8.0	44.8
Persons	6,232.7	337.7	68.3	406.0	6,638.8	4,195.7	10,834.4	6.1	61.3

(a) Comprises never married, widowed and divorced.

TABLE 3. CIVILIAN POPULATION AGED 15 YEARS AND OVER, BY EMPLOYMENT STATUS, STATES AND TERRITORIES, JUNE 1980

State or Territory	Employed	Unemployed		Total	Labour force	Not in labour force	Civilian population aged 15 years and over	Unemployment rate	Participation rate
		Looking for full-time work	Looking for part-time work						
				— '000 —				— per cent —	
MALES									
N.S.W.	1,406.9	63.1	*	67.1	1,474.0	410.8	1,884.8	4.6	78.2
Vic.	1,054.7	47.3	5.5	52.8	1,107.5	311.7	1,419.2	4.8	78.0
Qld	595.2	30.6	*	33.2	628.3	191.7	820.0	5.3	76.6
S.A.	350.5	24.3	*	26.4	376.9	107.1	484.0	7.0	77.9
W.A.	353.0	18.0	*	19.0	372.0	96.3	468.3	5.1	79.4
Tas.	112.5	5.8	*	6.1	118.6	34.8	153.4	5.2	77.3
N.T.	35.9	*	*	*	36.3	6.9	43.1	*	84.1
A.C.T.	61.7	3.6	*	3.9	65.6	10.5	76.1	5.9	86.2
Australia	3,970.3	193.1	15.8	208.9	4,179.2	1,169.8	5,348.9	5.0	78.1
FEMALES									
N.S.W.	790.2	44.9	15.2	60.0	850.3	1,100.4	1,950.7	7.1	43.6
Vic.	630.0	39.0	16.3	55.3	685.3	783.4	1,468.8	8.1	46.7
Qld	325.0	24.6	9.4	34.0	359.0	476.7	835.7	9.5	43.0
S.A.	200.1	16.7	5.0	21.7	221.8	279.2	501.0	9.8	44.3
W.A.	198.5	12.4	4.2	16.6	215.1	244.1	459.2	7.7	46.8
Tas.	59.1	4.1	*	5.2	64.3	91.9	156.3	8.1	41.2
N.T.	17.6	*	*	*	18.4	15.8	34.2	*	53.7
A.C.T.	41.9	2.5	*	3.4	45.3	34.3	79.6	7.5	56.9
Australia	2,262.4	144.7	52.5	197.1	2,459.6	3,025.9	5,485.5	8.0	44.8
PERSONS									
N.S.W.	2,197.1	108.0	19.1	127.1	2,324.3	1,511.2	3,835.5	5.5	60.6
Vic.	1,684.7	86.3	21.8	108.1	1,792.8	1,095.1	2,887.9	6.0	62.1
Qld	920.1	55.2	12.0	67.2	987.3	668.4	1,655.7	6.8	59.6
S.A.	550.6	41.1	7.1	48.2	598.7	386.3	985.0	8.0	60.8
W.A.	551.5	30.4	5.2	35.6	587.1	340.4	927.5	6.1	63.3
Tas.	171.7	9.9	1.5	11.3	183.0	126.7	309.7	6.2	59.1
N.T.	53.5	*	*	*	54.6	22.7	77.4	*	70.6
A.C.T.	103.6	6.1	*	7.3	110.9	44.8	155.8	6.6	71.2
Australia	6,232.7	337.7	68.3	406.0	6,638.8	4,195.7	10,834.4	6.1	61.3

TABLE 4. CIVILIAN POPULATION AGED 15 YEARS AND OVER, BY EMPLOYMENT STATUS,
STATE CAPITAL CITIES, JUNE 1980

Capital city	Employed	Unemployed		Total	Labour force	Not in labour force	Civilian population aged 15 years and over	Unemployment rate	Participation rate
		Looking for full-time work	Looking for part-time work						
		— '000 —								— per cent —
MALES									
Sydney	891.3	37.0	*	40.1	931.4	255.5	1,187.0	4.3	78.5
Melbourne	758.8	33.9	*	37.1	795.9	217.8	1,013.8	4.7	78.5
Brisbane	274.6	14.1	*	14.7	289.2	83.7	372.9	5.1	77.6
Adelaide	245.4	20.1	*	22.0	267.4	81.7	349.1	8.2	76.6
Perth	235.6	14.4	*	15.3	250.9	73.0	323.9	6.1	77.5
Hobart	44.5	2.2	*	2.3	46.8	15.4	62.2	5.0	75.3
Total	2,450.2	121.8	9.7	131.5	2,581.8	727.1	3,308.9	5.1	78.0
FEMALES									
Sydney	544.7	22.0	9.4	31.4	576.1	685.5	1,261.6	5.4	45.7
Melbourne	472.2	27.0	11.6	38.6	510.8	552.4	1,063.2	7.6	48.0
Brisbane	165.7	11.3	4.6	15.9	181.6	219.7	401.3	8.8	45.3
Adelaide	150.1	12.8	3.8	16.6	166.6	206.5	373.1	9.9	44.7
Perth	149.4	10.1	3.5	13.6	163.0	177.6	340.6	8.4	47.9
Hobart	27.7	1.6	*	2.2	29.9	35.2	65.1	7.4	46.0
Total	1,509.8	84.8	33.5	118.3	1,628.0	1,876.8	3,504.9	7.3	46.5
PERSONS									
Sydney	1,436.1	59.0	12.4	71.5	1,507.5	941.0	2,448.6	4.7	61.6
Melbourne	1,231.0	60.9	14.8	75.7	1,306.7	770.2	2,076.9	5.8	62.9
Brisbane	440.3	25.5	5.1	30.6	470.8	303.4	774.2	6.5	60.8
Adelaide	395.4	32.9	5.7	38.6	434.0	288.2	722.2	8.9	60.1
Perth	385.0	24.5	4.4	28.9	413.9	250.5	664.5	7.0	62.3
Hobart	72.2	3.8	*	4.5	76.8	50.6	127.4	5.9	60.3
Total	3,960.0	206.6	43.2	249.8	4,209.8	2,603.9	6,813.7	5.9	61.8

TABLE 5. CIVILIAN POPULATION AGED 15 YEARS AND OVER BY EMPLOYMENT STATUS:
AUSTRALIAN CAPITAL TERRITORY, JUNE 1980

	Persons						
	Males	Married women	All females	Total	Aged 15-19 years	Aged 20-24 years	Aged 25 years and over
— ' 000 —							
Employed	61.7	26.9	41.9	103.6	8.9	15.4	79.2
Full-time workers	58.2	18.3	30.0	88.2	6.2	13.6	68.4
Part-time workers	3.6	8.7	11.9	15.4	2.7	*	10.8
Unemployed	3.9	*	3.4	7.3	2.0	*	3.7
Looking for full-time work	3.6	*	2.5	6.1	*	*	3.0
Looking for part-time work	*	*	*	*	*	*	*
Labour force	65.6	28.4	45.3	110.9	11.0	17.1	82.9
Not in the labour force	10.5	25.5	34.3	44.8	8.5	2.7	33.6
Aged 15-20 years attending school	3.8	*	3.5	7.4	..	..	..
Civilian population	76.1	53.9	79.6	155.8	19.5	19.8	116.5
— per cent —							
Unemployment rate	5.9	*	7.5	6.6	18.4	*	4.4
Persons looking for full-time work	5.8	*	7.8	6.5	*	*	4.2
Participation rate	86.2	52.7	56.9	71.2	56.3	86.3	71.2
Employment/population ratio	81.1	50.0	52.6	66.5	46.0	78.1	68.0
— number —							
Average weekly hours worked by employed persons(a)	38.5	28.6	29.6	34.9	n.a.	n.a.	n.a.
Average duration of unemployment (weeks)	19.6	n.a.	22.1	20.8	n.a.	n.a.	n.a.

(a) Figures of hours relate to average weekly hours worked, not hours paid for. See explanatory notes, paragraph 16.

TABLE 6. CIVILIAN POPULATION AGED 15 TO 19 YEARS, BY EMPLOYMENT STATUS AND WHETHER ATTENDING SCHOOL, JUNE 1980(a)

	Employed	Unemployed		Total	Labour force	Not in labour force	Civilian population	Unemployment rate	Participation rate
		Looking for full-time work	Looking for part-time work						
				— '000 —				— per cent —	
NOT ATTENDING SCHOOL									
Males	323.9	46.9	*	49.8	373.7	45.6	419.3	13.3	89.1
Females	257.4	55.3	*	59.4	316.7	75.3	392.0	18.7	80.8
Persons	581.3	102.2	7.0	109.1	690.4	120.9	811.3	15.8	85.1
Left school—									
Before 1978	217.2	38.4	*	40.3	257.5	38.6	296.1	15.6	87.0
1978	184.7	24.1	*	25.3	209.9	34.7	244.6	12.0	85.8
1979 to survey date	179.4	39.7	*	43.6	223.0	47.6	270.6	19.6	82.4
Age (years)—									
15	18.4	6.9	*	7.7	26.2	5.7	31.9	29.5	82.0
16	70.7	22.5	*	22.9	93.6	11.3	104.9	24.5	89.2
17	129.9	24.9	*	26.2	156.1	20.9	177.0	16.8	88.2
18	176.2	24.7	*	27.3	203.4	40.0	243.4	13.4	83.6
19	186.1	23.2	*	25.1	211.2	43.0	254.2	11.9	83.1
ATTENDING SCHOOL									
Males	35.8	4.8	5.2	10.0	45.8	187.7	233.5	21.8	19.6
Females	50.0	*	8.2	12.4	62.4	171.7	234.1	19.8	26.7
Persons	85.9	9.0	13.3	22.3	108.2	359.3	467.5	20.6	23.1
Age (years)—									
15	31.6	*	7.1	10.2	41.8	177.4	219.2	24.3	19.1
16	32.1	*	*	7.3	39.4	111.5	151.0	18.6	26.1
17	19.1	*	*	*	23.1	56.3	79.4	*	29.1
18 and 19	*	*	*	*	*	14.1	17.9	*	*

(a) For information on duration of unemployment, see Table 22.

TABLE 7. CIVILIAN POPULATION AGED 20 TO 24 YEARS, BY EMPLOYMENT STATUS, JUNE 1980

	Employed	Unemployed		Total	Labour force	Not in labour force	Civilian population	Unemployment rate	Participation rate
		Looking for full-time work	Looking for part-time work						
				— '000 —				— per cent —	
Males	516.3	44.8	*	47.1	563.4	54.5	617.9	8.4	91.2
Females	392.2	37.8	5.9	43.7	435.8	177.0	612.9	10.0	71.1
Persons	908.4	82.5	8.2	90.8	999.2	231.6	1,230.8	9.1	81.2
Age (years)—									
20	189.1	19.8	*	22.2	211.3	44.0	255.2	10.5	82.8
21	182.6	19.0	*	20.6	203.2	45.7	248.8	10.1	81.6
22	183.9	17.5	*	19.1	203.1	48.4	251.4	9.4	80.8
23	182.7	13.2	*	14.7	197.4	46.1	243.6	7.4	81.1
24	170.0	13.1	*	14.2	184.3	47.4	231.7	7.7	79.5

TABLE 8. CIVILIAN LABOUR FORCE, BY EMPLOYMENT STATUS, BIRTHPLACE AND PERIOD OF ARRIVAL IN AUSTRALIA, JUNE 1980

	Employed		Unemployed		Labour force	Unemployment rate	Participation rate(a)
	Full-time	Total	Looking for full-time work	Total			
	— '000 —							— per cent —
MALES							
Born in Australia	2,731.1	2,893.7	134.0	144.6	3,038.3	4.8	78.6
Born outside Australia	1,035.3	1,076.5	59.0	64.3	1,140.9	5.6	79.6
Italy	121.3	124.8	*	*	128.3	*	83.8
Greece	61.1	61.7	5.3	5.5	67.3	8.2	84.4
Yugoslavia	60.5	61.9	*	*	65.8	6.0	84.0
U.K. and Ireland	371.2	388.4	18.7	20.6	409.0	5.0	75.9
New Zealand	54.6	57.0	*	*	60.0	*	91.4
Other	366.7	382.8	25.2	27.6	410.4	6.7	79.4
Arrived before 1961	426.6	442.9	13.4	14.6	457.4	3.2	72.1
1961-1965	162.3	168.5	8.8	9.6	178.1	5.4	88.9
1966-1970	205.1	213.2	16.2	17.1	230.3	7.4	86.0
1971-1978	201.4	209.9	15.3	17.7	227.5	7.8	85.5
1979 to survey date	39.9	42.1	5.4	5.4	47.5	11.3	74.4
MARRIED WOMEN							
Born in Australia	517.8	987.2	26.5	49.9	1,037.2	4.8	41.2
Born outside Australia	269.4	412.8	16.3	28.2	441.0	6.4	47.0
Italy	28.9	40.9	*	*	43.4	*	41.8
Greece	21.1	29.0	*	*	31.3	*	50.3
Yugoslavia	18.7	22.9	*	*	24.8	*	49.5
U.K. and Ireland	91.7	156.6	*	9.5	166.1	5.7	47.0
New Zealand	9.6	16.3	*	*	17.5	*	51.1
Other	99.5	147.1	6.7	11.0	158.1	6.9	47.1
Arrived before 1961	88.8	150.8	*	6.8	157.6	4.3	39.7
1961-1965	44.5	69.8	*	5.1	74.9	6.8	51.8
1966-1970	53.0	81.4	*	6.1	87.5	6.9	52.1
1971-1978	71.8	97.3	4.6	6.7	104.0	6.4	54.4
1979 to survey date	11.5	13.4	*	*	17.0	*	44.3
ALL FEMALES							
Born in Australia	1,098.8	1,717.4	108.4	144.1	1,861.5	7.7	45.2
Born outside Australia	375.4	545.1	36.3	53.0	598.1	8.9	46.6
Italy	33.9	46.3	*	*	49.8	*	40.3
Greece	23.1	31.3	*	*	34.1	*	48.3
Yugoslavia	24.0	28.4	*	*	31.7	*	48.5
U.K. and Ireland	139.3	215.1	13.2	21.1	236.1	8.9	46.8
New Zealand	19.7	28.7	*	*	30.9	*	54.8
Other	135.3	195.3	14.1	20.1	215.4	9.3	46.5
Arrived before 1961	115.4	184.7	6.0	9.7	194.4	5.0	36.6
1961-1965	62.6	92.1	6.9	9.9	102.1	9.7	52.6
1966-1970	78.8	113.5	8.1	13.3	126.8	10.5	54.4
1971-1978	99.6	132.6	10.0	13.8	146.4	9.5	55.2
1979 to survey date	18.9	22.1	5.2	6.3	28.4	22.2	47.4
PERSONS							
Born in Australia	3,829.9	4,611.1	242.4	288.7	4,899.8	5.9	61.4
Born outside Australia	1,410.7	1,621.6	95.3	117.4	1,739.0	6.7	64.0
Italy	155.2	171.0	5.9	7.1	178.1	4.0	64.3
Greece	84.2	93.0	7.5	8.3	101.3	8.2	67.5
Yugoslavia	84.5	90.3	6.1	7.2	97.5	7.4	67.9
U.K. and Ireland	510.5	603.4	31.9	41.7	645.1	6.5	61.9
New Zealand	74.3	85.7	4.5	5.3	91.0	5.8	74.5
Other	502.0	578.1	39.4	47.7	625.9	7.6	63.9
Arrived before 1961	542.0	627.5	19.4	24.3	651.8	3.7	55.9
1961-1965	224.9	260.6	15.7	19.5	280.2	7.0	71.0
1966-1970	284.0	326.7	24.3	30.4	357.1	8.5	71.3
1971-1978	301.0	342.5	25.3	31.5	374.0	8.4	70.4
1979 to survey date	58.8	64.2	10.6	11.7	75.9	15.4	61.3

(a) Excludes persons in institutions. See explanatory notes, paragraph 14, for definition.

TABLE 9. CIVILIAN LABOUR FORCE, BY AGE, JUNE 1980

Age group (years)	Number ('000)					Participation rate (per cent)				
	Males	Married women	Other females(a)	All females	Persons	Males	Married women	Other females(a)	All females	Persons
15-19	419.5	17.5	361.7	379.1	798.6	64.3	50.2	61.2	60.6	62.4
20-24	563.4	163.0	272.9	435.8	999.2	91.2	56.8	83.7	71.1	81.2
25-34	1,112.9	460.4	152.5	612.9	1,725.8	95.8	47.7	77.6	52.7	74.3
35-44	861.0	433.3	70.8	504.1	1,365.1	95.5	57.3	67.0	58.5	77.4
45-54	711.4	288.4	66.9	355.3	1,066.7	91.6	46.9	53.9	48.0	70.3
55-59	295.1	76.3	27.5	103.8	398.9	81.3	26.8	34.4	28.5	54.8
60-64	152.5	27.6	14.6	42.2	194.7	53.4	13.2	14.8	13.8	32.9
65 and over	63.4	11.7	14.6	26.3	89.7	10.8	3.7	2.9	3.2	6.4
Total	4,179.2	1,478.2	981.4	2,459.6	6,638.8	78.1	42.7	48.6	44.8	61.3

(a) Comprises never married, widowed and divorced.

TABLE 10. LABOUR FORCE PARTICIPATION RATES, BY AGE AND BIRTHPLACE, JUNE 1980(a)
(per cent)

Age group (years)	Born in Australia			Born outside Australia		
	Males	Females	Persons	Males	Females	Persons
15-19	65.1	61.1	63.1	61.8	57.7	59.9
20-24	92.2	72.6	82.4	88.0	65.5	76.9
25-34	96.4	52.6	74.2	95.8	53.5	75.5
35-44	96.2	57.3	76.7	95.0	61.4	79.4
45-54	91.6	46.0	68.5	92.7	53.7	75.4
55-59	81.8	27.6	53.8	83.0	31.4	58.7
60-64	52.0	13.6	31.5	60.2	14.9	38.9
65 and over	12.4	3.4	7.0	8.7	4.1	6.4
Total	78.6	45.2	61.4	79.6	46.6	64.0

(a) Excludes persons in institutions. See explanatory notes, paragraph 14, for definition.

TABLE 11. EMPLOYED PERSONS: FULL-TIME AND PART-TIME STATUS, BY AGE, JUNE 1980
('000)

	Age group (years)								
	15-19	20-24	25-34	35-44	45-54	55-59	60-64	65 and over	Total
MALES									
Full-time workers	301.1	487.5	1,037.2	819.6	674.6	272.6	130.4	43.3	3,766.4
Part-time workers	58.6	28.8	29.0	19.3	17.9	14.8	16.3	19.2	203.9
Total	359.8	516.3	1,066.2	838.9	692.6	287.3	146.7	62.5	3,970.3
MARRIED WOMEN									
Full-time workers	11.1	113.5	233.5	215.5	155.5	41.8	13.4	*	787.3
Part-time workers	*	35.4	197.1	199.4	122.0	33.1	14.1	8.5	612.8
Total	14.4	148.9	430.6	414.9	277.4	74.8	27.5	11.5	1,400.0
ALL FEMALES									
Full-time workers	223.1	326.5	359.9	266.4	206.3	61.1	21.8	9.2	1,474.2
Part-time workers	84.3	65.7	211.9	215.1	135.1	39.4	20.0	16.8	788.3
Total	307.4	392.2	571.8	481.4	341.3	100.5	41.8	26.0	2,262.4
PERSONS									
Full-time workers	524.2	814.0	1,397.1	1,086.0	880.9	333.6	152.2	52.5	5,240.6
Part-time workers	142.9	94.5	240.8	234.4	153.0	54.2	36.3	36.0	992.2
Total	667.2	908.4	1,637.9	1,320.4	1,033.9	387.8	188.6	88.5	6,232.7

TABLE 12. EMPLOYED PERSONS, BY HOURS WORKED, JUNE 1980

	<i>Males</i>	<i>Married women</i>	<i>Other females(a)</i>	<i>All females</i>	<i>Persons</i>
NUMBER EMPLOYED ('000)					
Weekly hours worked—					
0(b)	201.1	71.1	38.4	109.5	310.7
1-15	125.9	284.7	104.7	289.4	515.3
16-29	176.9	267.3	71.7	339.0	515.9
30-34	241.5	125.8	68.0	193.8	435.3
35-39	447.6	181.8	159.2	341.0	788.6
40	1,403.5	318.7	310.0	628.7	2,032.2
41-44	241.7	37.7	45.0	82.7	324.4
45-48	352.1	34.2	28.6	62.8	414.8
49 and over	780.1	78.8	36.8	115.6	895.7
Total	3,970.3	1,400.0	862.4	2,262.4	6,232.7
WEEKLY HOURS WORKED(c)					
Aggregate weekly hours worked (million)	159.8	39.8	28.2	68.0	227.8
By full-time workers	156.7	30.2	25.9	56.1	212.7
By part-time workers	3.2	9.6	2.3	11.9	15.1
Average weekly hours worked	40.3	28.4	32.7	30.1	36.6
By full-time workers	41.6	38.4	37.6	38.0	40.6
By part-time workers	15.6	15.7	13.2	15.2	15.2
Average weekly hours worked by persons who worked one hour or more in the survey week	42.4	30.0	34.2	31.6	38.5
By full-time workers	43.8	40.4	39.2	39.9	42.7
By part-time workers	16.5	16.5	13.9	16.0	16.1

(a) Comprises never married, widowed and divorced. (b) Persons who had a job from which they were absent for the whole of the survey week. See explanatory notes, paragraph 16, for definition. (c) The figures relate to hours worked, not hours paid for. See explanatory notes, paragraph 16.

TABLE 13. FULL-TIME WORKERS WHO WORKED LESS THAN 35 HOURS, BY REASON, JUNE 1980 ('000)

<i>Reason for working less than 35 hours</i>	<i>Males</i>	<i>Married women</i>	<i>Other females(a)</i>	<i>All females</i>	<i>Persons</i>
Leave, holiday or flextime	304.5	77.5	60.9	138.4	442.9
Own illness or injury	141.4	41.9	36.4	78.4	219.8
Bad weather, plant breakdown, etc.	18.7	*	*	*	19.9
Began or left job in the survey week	9.9	*	*	5.0	14.9
Stood down, on short time, insufficient work	34.2	6.6	*	9.7	43.8
Other reasons	32.7	6.9	*	10.8	43.5
Total	541.4	136.1	107.3	243.5	784.9

(a) Comprises never married, widowed and divorced.

TABLE 14. PART-TIME WORKERS: WHETHER PREFERRED TO WORK MORE HOURS AND WHETHER LOOKING FOR FULL-TIME WORK, BY AGE, JUNE 1980
(' 000)

	Age group (years)						Total
	15-19	20-24	25-34	35-44	45-54	55 and over	
MALES							
Total	58.6	28.8	29.0	19.3	17.9	50.3	203.9
Preferred not to work more hours	45.3	21.1	19.3	14.0	12.2	45.8	157.8
Preferred to work more hours	13.3	7.7	9.7	5.3	5.7	*	46.1
Had actively looked for full-time work(a)	5.8	*	4.9	— 4.6 —		*	20.0
MARRIED WOMEN							
Total	*	35.4	197.1	199.4	122.0	55.6	612.8
Preferred not to work more hours	*	29.7	177.3	178.1	113.2	52.5	552.6
Preferred to work more hours	*	5.7	19.8	21.3	8.8	*	60.2
Had actively looked for full-time work(a)	*	*	4.7	— 5.1 —		*	13.2
ALL FEMALES							
Total	84.3	65.7	211.9	215.1	135.1	76.3	788.3
Preferred not to work more hours	62.9	50.0	189.6	190.8	124.1	72.1	689.5
Preferred to work more hours	21.4	15.7	22.3	24.2	11.0	*	98.8
Had actively looked for full-time work(a)	9.4	8.2	5.4	5.0	*	*	29.0
PERSONS							
Total	142.9	94.5	240.8	234.4	153.0	126.6	992.2
Preferred not to work more hours	108.2	71.1	208.9	204.9	136.3	117.9	847.3
Preferred to work more hours	34.7	23.4	32.0	29.5	16.7	8.6	144.9
Had actively looked for full-time work(a)	15.1	11.5	10.3	7.3	— 4.8 —		49.0

(a) In the four weeks up to the end of the survey week.

TABLE 15. PART-TIME WORKERS: WHETHER PREFERRED TO WORK MORE HOURS AND WHETHER LOOKING FOR FULL-TIME WORK, BY HOURS WORKED, JUNE 1980
(' 000)

	Persons who worked in the survey week Hours worked in the survey week						Persons who did not work in the survey week(a)	Total
	1-5	6-10	11-15	16-20	21-29	30-34		
MALES								
Total	28.6	48.2	20.5	26.4	34.3	35.0	11.0	203.9
Preferred not to work more hours	23.7	38.2	13.8	17.7	26.0	29.9	8.5	157.8
Preferred to work more hours	4.9	10.0	6.6	8.7	8.4	5.1	*	46.1
Had actively looked for full-time work(b)	— 7.1 —		— 7.6 —		— 4.7 —		*	20.0
MARRIED WOMEN								
Total	67.7	116.0	91.7	122.2	112.8	71.8	30.4	612.8
Preferred not to work more hours	58.5	99.6	79.7	112.3	105.8	69.9	26.8	552.6
Preferred to work more hours	9.3	16.4	12.0	9.9	7.1	*	*	60.2
Had actively looked for full-time work(b)	— 4.8 —		— 5.1 —		*	*	*	13.2
ALL FEMALES								
Total	108.8	158.3	109.2	145.2	135.2	92.2	39.4	788.3
Preferred not to work more hours	91.7	134.4	92.9	127.4	121.4	87.7	33.9	689.5
Preferred to work more hours	17.1	23.8	16.3	17.7	13.8	4.5	5.6	98.8
Had actively looked for full-time work(b)	*	6.7	4.6	7.0	4.8	*	*	29.0
PERSONS								
Total	137.4	206.4	129.7	171.5	169.5	127.2	50.4	992.2
Preferred not to work more hours	115.5	172.6	106.8	145.1	147.3	117.6	42.3	847.2
Preferred to work more hours	21.9	33.8	22.9	26.4	22.1	9.6	8.1	144.9
Had actively looked for full-time work(b)	5.6	11.7	7.8	11.4	8.3	*	*	49.0

(a) Persons who had a part-time job from which they were absent for the whole of the survey week.

(b) In the four weeks up to the end of the survey week.

TABLE 16. EMPLOYED PERSONS: EMPLOYMENT/POPULATION RATIOS BY AGE AND MARITAL STATUS, JUNE 1980
(per cent)

Age group (years)	Married men	Other males (a)	All males	Married women	Other females (a)	All females	Persons
15-19	*	54.9	55.1	41.3	49.6	49.1	52.2
20-24	92.8	80.7	83.6	51.9	74.7	64.0	73.8
25-34	94.4	83.9	91.7	44.6	71.8	49.2	70.5
35-44	94.5	82.1	93.0	54.8	62.9	55.8	74.9
45-54	91.0	76.2	89.1	45.1	51.5	46.1	68.2
55-59	81.7	63.0	79.2	26.3	32.1	27.5	53.3
60-64	53.5	39.7	51.4	13.2	14.6	13.6	31.8
65 and over	11.5	7.8	10.6	3.7	2.9	3.2	6.3
Total	79.2	64.8	74.2	40.4	42.7	41.2	57.5

(a) Comprises never married, widowed and divorced.

TABLE 17. UNEMPLOYED PERSONS, BY AGE, STATES, JUNE 1980
(' 000)

Age group (years)	New South Wales	Victoria	Queensland	South Australia	Western Australia	Tasmania	Australia(a)
MALES							
15-19	18.3	16.1	8.5	9.2	4.6	2.1	59.8
20-24	11.7	13.4	7.9	6.8	5.2	*	47.1
25-34	18.3	10.3	5.5	4.8	5.8	*	46.7
35 and over	18.8	13.0	11.3	5.5	3.4	2.0	55.3
Total	67.1	52.8	33.2	26.4	19.0	6.1	208.9
FEMALES							
15-19	21.9	17.8	11.9	10.2	6.6	2.2	71.7
20-24	13.1	12.0	8.9	3.8	3.6	*	43.7
25-34	10.9	13.0	7.5	4.2	3.2	*	41.2
35 and over	14.1	12.5	5.8	3.6	3.3	*	40.6
Total	60.0	55.3	34.0	21.7	16.6	5.2	197.1
PERSONS							
15-19	40.2	33.9	20.4	19.4	11.2	4.3	131.5
20-24	24.9	25.4	16.8	10.7	8.8	2.6	90.8
25-34	29.2	23.3	13.0	9.0	9.0	1.6	87.9
35 and over	32.9	25.4	17.0	9.1	6.7	2.9	95.9
Total	127.1	108.1	67.2	48.2	35.6	11.3	406.0

(a) Includes the Northern Territory and the Australian Capital Territory.

TABLE 18. UNEMPLOYED PERSONS, BY AGE AND WHETHER LOOKING FOR FULL-TIME OR PART-TIME WORK, JUNE 1980

	Number unemployed ('000)					Unemployment rate (per cent)				
	Married men	All males	Married women	All females	All persons	Married men	All males	Married women	All females	All persons
LOOKING FOR FULL-TIME WORK										
Total	72.3	193.1	42.8	144.7	337.7	2.6	4.9	5.2	8.9	6.1
Aged 15-19 years	*	51.7	*	59.5	111.2	*	14.7	*	21.0	17.5
Looking for first job	*	19.8	*	26.6	46.4	..	..	..	..	..
Not looking for first job	*	31.9	*	32.9	64.7	..	..	..	..	..
Attending school	*	4.8	*	*	9.0	n.a.	n.a.	n.a.	n.a.	n.a.
Aged 20 years and over	72.0	141.3	40.4	85.2	226.6	2.6	3.9	4.9	6.4	4.6
20-24 years	6.8	44.8	9.9	37.8	82.5	4.9	8.4	8.0	10.4	9.2
25-34 years	25.9	45.1	14.7	24.7	69.8	3.1	4.2	5.9	6.4	4.8
35-44 years	16.5	21.5	7.0	10.3	31.8	2.2	2.6	3.1	3.7	2.8
45-54 years	13.1	17.6	8.0	10.3	27.9	2.1	2.5	4.9	4.8	3.1
55 years and over	9.7	12.4	*	*	14.5	2.4	2.7	*	*	2.6
LOOKING FOR PART-TIME WORK										
Total	4.5	15.8	35.4	52.5	68.3	4.7	7.2	5.5	6.2	6.4
Aged 15-19 years	*	8.0	*	12.2	20.3	*	12.1	*	12.7	12.4
Attending school	*	5.2	*	8.2	13.3	*	12.7	*	14.2	13.6
Aged 20 years and over	4.5	7.8	34.7	40.2	48.0	4.7	5.1	5.4	5.4	5.4
20-24 years	*	*	*	5.9	8.2	*	*	*	8.3	8.0
25-34 years	*	*	15.1	16.4	18.1	*	*	7.1	7.2	7.0
35-44 years	*	*	11.4	12.3	12.9	*	*	5.4	5.4	5.2
45-54 years	*	*	*	*	*	*	*	*	*	*
55 years and over	*	*	*	5.5	8.8	*	*	*	2.5	3.0
TOTAL										
Total	76.7	208.9	78.1	197.1	406.0	2.7	5.0	5.3	8.0	6.1
Aged 15-19 years	*	59.8	*	71.7	131.5	*	14.2	*	18.9	16.5
Attending school	*	10.0	*	12.4	22.3	*	21.8	*	19.8	20.6
Aged 20 years and over(a)	76.5	149.1	75.0	125.4	274.6	2.7	4.0	5.1	6.0	4.7
20-24 years	7.0	47.1	14.1	43.7	90.8	4.9	8.4	8.7	10.0	9.1
25-34 years	27.1	46.7	29.8	41.2	87.9	3.2	4.2	6.5	6.7	5.1
35-44 years	16.9	22.1	18.4	22.7	44.7	2.2	2.6	4.2	4.5	3.3
45-54 years	14.3	18.9	11.0	14.0	32.9	2.3	2.7	3.8	3.9	3.1
55-59 years	6.1	7.7	*	*	11.0	2.3	2.6	*	*	2.8
60-64 years	3.6	5.8	*	*	6.1	3.4	3.8	*	*	3.2

(a) Includes unemployed persons aged 65 years and over, details for whom are not shown separately.

TABLE 19. UNEMPLOYED PERSONS, BY AGE AND BIRTHPLACE, JUNE 1980

	Number unemployed ('000)			Unemployment rate (per cent)		
	Males	Females	Persons	Males	Females	Persons
BORN IN AUSTRALIA						
Total	144.6	144.1	288.7	4.8	7.7	5.9
Looking for full-time work	134.0	108.4	242.4	4.7	9.0	6.0
Looking for part-time work	10.6	35.7	46.2	6.1	5.5	5.6
Aged 15-19 years	46.0	58.9	105.0	12.8	17.9	15.3
Aged 20 years and over	98.6	85.2	183.7	3.7	5.6	4.4
20-24 years	36.4	34.7	71.1	7.8	9.5	8.5
25-34 years	29.3	28.1	57.4	3.6	6.2	4.6
35 years and over	32.9	22.4	55.2	2.3	3.1	2.6
BORN OUTSIDE AUSTRALIA						
Total	64.3	53.0	117.4	5.6	8.9	6.7
Looking for full-time work	59.0	36.3	95.3	5.4	8.8	6.3
Looking for part-time work	5.3	16.8	22.1	11.4	9.0	9.5
Aged 15-19 years	13.7	12.8	26.5	22.5	25.3	23.8
Aged 20 years and over	50.6	40.3	90.8	4.7	7.4	5.6
20-24 years	10.7	9.0	19.7	11.3	13.1	12.1
25-34 years	17.4	13.1	30.5	5.7	8.3	6.6
35 years and over	22.5	18.2	40.7	3.3	5.7	4.1

TABLE 20. UNEMPLOYED PERSONS, BY DURATION OF UNEMPLOYMENT AND AGE, ETC., JUNE 1980

Duration of unemployment (weeks)	Age group (years)				Total(a)	Married	Not married(b)	Looking for—		
	15-19	20-24	25-34	35-54				Full-time work	Part-time work	
MALES										
— '000 —										
Under 2	4.7	*	*	6.2 {	13.6	4.8	8.8	10.8	5.4 {	
2 and under 4	5.7	6.8	5.7		24.0	8.9	15.1	21.4		
4 and under 8	9.7	7.5	7.6	4.5	31.1	11.9	19.2	29.6	4.5 {	
8 and under 13	8.0	5.7	5.9	6.6	26.5	9.9	16.6	25.0		
13 and under 26	11.6	8.6	7.9	5.9	36.0	13.7	22.3	33.1	* {	
26 and under 39	12.0	6.3	6.3	5.4	33.1	10.0	23.1	30.5		
39 and under 52	4.9 {	4.9 {	5.7 {	5.2 {	8.0	7.1 {	4.5	7.7	* {	
52 and under 65					11.4		7.8	11.0		
65 and under 78	* {	4.6 {	* {	7.1 {	5.6	* {	5.3 {	5.6	* {	
78 and under 91					*		*	*		
91 and under 104					*		*	*		
104 and over			*		15.4	7.0	8.3	14.5	*	
Total	59.8	47.1	46.7	40.9	208.9	76.7	132.2	193.1	15.8	
— Weeks —										
Average (mean) duration	20.7	25.8	28.6	38.8	28.9	30.6	27.9	29.3	23.4	
Median duration	14.9	14.4	14.2	20.0	16.3	15.8	16.7	16.8	11.1	
FEMALES										
— '000 —										
Under 2	*	8.1 {	*	*	17.4	9.9	7.5	9.9	7.5	
2 and under 4	7.6		7.3	4.7	24.5	12.6	11.9	12.9	11.6	
4 and under 8	8.4	5.2	*	5.1	23.0	8.0	14.9	16.4	6.6	
8 and under 13	7.4	6.3	5.4	*	23.0	10.6	12.4	15.9	7.1	
13 and under 26	17.2	8.6	8.2	6.7	41.2	15.8	25.3	32.1	9.1	
26 and under 39	11.9	5.0	5.3 {	5.0 {	25.6	8.3	17.4	22.2	7.4 {	
39 and under 52	*	*			6.2	*	5.3			
52 and under 65	4.6	*	7.1 {	6.9 {	12.9	6.2 {	8.7	9.7	* {	
65 and under 78	7.7 {	6.5 {			*		*	4.5		4.5
78 and under 91					*		*	*		*
91 and under 104			*	*	9.0	11.5	*			
104 and over					13.5	4.5	9.0	11.5	*	
Total	71.7	43.7	41.2	36.6	197.1	78.1	119.0	144.7	52.5	
— Weeks —										
Average (mean) duration	26.6	30.5	28.2	29.1	28.5	25.0	30.8	31.8	19.2	
Median duration	19.1	16.4	13.0	13.6	16.4	12.0	19.5	20.0	8.4	
PERSONS										
— '000 —										
Under 2	9.0	6.3	7.5	6.1	31.0	14.7	16.3	20.7	10.4	
2 and under 4	13.4	11.2	12.9	9.1	48.5	21.5	27.0	34.4	14.2	
4 and under 8	18.1	12.7	11.5	9.6	54.1	19.9	34.2	46.0	8.1	
8 and under 13	15.4	12.0	11.3	10.4	49.5	20.4	29.0	40.8	8.7	
13 and under 26	28.8	17.2	16.1	12.6	77.2	29.6	47.6	65.2	12.0	
26 and under 39	24.0	11.4	10.5	9.6	58.7	18.3	40.5	52.8	5.9	
39 and under 52	*	*	*	7.5 {	14.2	5.6	8.6	13.0	4.8 {	
52 and under 65	7.5	5.4	6.1		24.2	7.7	16.5	20.7		
65 and under 78	6.0 {	* {	* {	* {	6.6	4.6 {	*	5.8	* {	
78 and under 91					10.6		8.7	10.2		
91 and under 104					*		*	*		
104 and over	4.8 {	7.2	6.4	8.6	28.9	11.6	17.3	26.0	*	
Total	131.5	90.8	87.9	77.6	406.0	154.9	251.2	337.7	68.3	
— Weeks —										
Average (mean) duration	23.9	28.1	28.4	34.2	28.7	27.7	29.2	30.4	20.2	
Median duration	17.4	15.4	13.6	16.6	16.4	13.4	18.2	18.4	8.9	

(a) Includes persons aged 55 years and over, details for whom are not shown separately. (b) Comprises never married, widowed and divorced.

TABLE 21. UNEMPLOYED PERSONS, BY INDUSTRY AND OCCUPATION OF LAST FULL-TIME JOB AND DURATION OF UNEMPLOYMENT, JUNE 1980(a)
(' 000)

	<i>Duration of unemployment (weeks)</i>							<i>Total</i>
	<i>Under 4</i>	<i>4 and under 8</i>	<i>8 and under 13</i>	<i>13 and under 26</i>	<i>26 and under 39</i>	<i>39 and under 65</i>	<i>65 and over</i>	
Had worked for two weeks or more in a full-time job in the last two years	48.3	42.2	36.7	51.8	32.6	23.8	11.8	247.3
Industry division—								
Manufacturing	14.2	9.4	9.7	15.2	9.8	5.6	*	68.3
Construction	4.6	4.8	*	5.0	5.1		*	24.5
Wholesale and retail trade	12.5	11.1	6.6	11.6	6.0	6.8	*	57.4
Finance, property and business services		5.8		*	*	*	*	9.9
Community services		7.8	4.9		7.0	*	*	23.3
Recreation, personal and other services	*		6.8	5.3	5.1		*	21.5
Other industries	7.0	7.3	7.2	8.4	7.3	5.2		42.4
Occupation group(b)—								
Professional, technical, etc.		5.5		5.6	*	*	*	14.3
Clerical	6.5	*	4.5	8.6	5.7		*	29.6
Sales	5.1	5.5	*	5.1	5.9		*	26.3
Farmers, fishermen, etc.	*		7.2		6.2	*	*	17.5
Transport and communication		5.0	*		4.6	*	*	13.2
Tradesmen, production-process workers and labourers, n.e.c.	22.1	18.8	14.7	20.4	14.8	10.7	5.8	107.4
Service, sport and recreation	4.8	5.5	4.5	7.8	6.9		*	32.1
Stood down	6.6	..	..	..	..	..	..	6.6
Other(c)	24.7	11.9	12.8	25.4	26.1	14.6	36.8	152.2
Total	79.6	54.1	49.5	77.2	58.7	38.4	48.6	406.0

(a) Duration of unemployment is not available for some industry divisions and occupation groups because of the high standard error of the estimates. (b) Excludes administrative, executive and managerial workers; and miners, quarrymen and related workers. (c) Had never worked for two weeks or more in a full-time job or had not done so in the last two years. Industry and occupation were not obtained for these persons.

TABLE 22. UNEMPLOYED PERSONS AGED 15 TO 19 YEARS, BY DURATION OF UNEMPLOYMENT AND WHETHER ATTENDING SCHOOL, JUNE 1980(a)

	Not attending school			Total
	Attending school	Left school before 1979	Left school 1979 to survey date	
NUMBER ('000)				
Duration of unemployment (weeks)				
Under 4	6.1	10.9	5.5	22.4
4 and under 13	5.4	17.5	10.7	33.5
13 and under 26	4.5	13.2	11.1	28.8
26 and over	6.3	24.0	16.3	46.7
Total	22.3	65.5	43.6	131.5
AVERAGE (MEAN) DURATION OF UNEMPLOYMENT (weeks)				
Males	19.2	22.7	18.8	20.7
Females	17.9	32.7	20.9	26.6
Persons	18.5	28.4	19.9	23.9
Looking for—				
Full-time work	15.4	29.1	19.9	24.7
Part-time work	20.6	*	*	19.4
MEDIAN DURATION OF UNEMPLOYMENT (weeks)				
Males	13.0	11.9	19.3	14.9
Females	11.8	20.9	19.9	19.1
Persons	12.4	17.4	19.6	17.4
Looking for—				
Full-time work	11.8	17.9	19.8	18.1
Part-time work	13.1	*	*	12.9

(a) For employment status of persons aged 15-19 years see Table 6.

TABLE 23. PERSONS NOT IN THE LABOUR FORCE, BY AGE AND MARITAL STATUS, ETC., JUNE 1980

	<i>Married men</i>	<i>Other males(a)</i>	<i>All males</i>	<i>Married women</i>	<i>Other females(a)</i>	<i>All females</i>	<i>Persons</i>	<i>Proportion of population(b)</i>
	— '000 —							— per cent —
Age (years)—								
15-19	*	233.0	233.2	17.3	229.6	247.0	480.2	37.6
20-24	*	51.0	54.5	124.0	53.0	177.0	231.6	18.8
25-34	21.7	27.7	49.4	505.0	44.0	549.1	598.4	25.7
35-44	27.3	13.3	40.6	323.4	34.9	358.3	398.9	22.6
45-54	47.2	18.3	65.5	327.1	57.2	384.3	449.9	29.7
55-59	51.3	16.7	67.9	208.6	52.4	261.0	329.0	45.2
60-64	108.4	24.5	132.9	180.9	83.8	264.7	397.7	67.1
65 and over	390.4	135.2	525.6	300.7	483.7	784.5	1,310.1	98.6
Total	650.1	519.7	1,169.8	1,987.1	1,038.8	3,025.9	4,195.7	38.7
Permanently unable to work	n.a.	n.a.	22.3	n.a.	n.a.	14.3	36.5	..
In institutions	n.a.	n.a.	52.9	n.a.	n.a.	80.6	133.4	..
Aged 15-20 years attending school	n.a.	n.a.	187.8	n.a.	n.a.	172.0	359.8	..

(a) Comprises never married, widowed and divorced. (b) Persons not in the labour force as a percentage of the civilian population in the same group.

GROSS FLOWS

In order to minimise respondent fatigue and at the same time maintain continuity within the population survey sample, one eighth of the dwellings in the sample (except the large non-private dwellings) are replaced after each survey. Adoption of this rotation procedure, whereby about seven eighths of the sample remains unchanged from one month to the next, enables more reliable measurements of changes in the labour force characteristics of the population to be made than would be possible if a new sample were introduced each month.

Because a high proportion of private dwellings selected in one survey remains in the sample for the following survey, it is possible to match the characteristics of most of the persons in those dwellings from one month to the next, to record any changes that occur, and hence to produce estimates of 'flows' between the different categories of the population and labour force.

The procedures used to select persons in non-private dwellings preclude the possibility of matching any of them who may be included in successive surveys. For this and other reasons, including the mobility of the population and non-response in either or both surveys, about 10 per cent of persons in those dwellings which are included in the sample in successive months cannot be matched. Those who can be matched represent about 80 per cent of all persons in the survey.

Changes in the characteristics of this latter group are shown in Table 24. About one half of the remaining (unmatched) 20 per cent of persons in the survey are likely to have characteristics similar to those in the matched group, but the characteristics of the other half are likely to be somewhat different.

Gross flow estimates shown in the following table relate only to those persons in private dwellings for whom information was obtained in successive surveys. The expansion factors used in calculating the estimates were those applying to the second of each pair of months.

Although it is not possible to provide gross flow estimates for all persons in the survey it is considered that the estimates derived from matched records will be a useful guide to the magnitude of the movements between categories which underlie the changes in monthly levels.

While every effort is made to reduce non-sampling errors to a minimum, any such errors affecting employment status will tend to accumulate in the gross flow statistics rather than to cancel out. The estimates are also subject to sampling variability, as explained in paragraphs 3 to 5 on page 25. The standard errors may be obtained from Table A on page 26. For these reasons the estimates of flows should be used with caution.

TABLE 24. ESTIMATES, DERIVED FROM MATCHED RECORDS, OF EMPLOYMENT STATUS IN MAY AND JUNE 1980, AND GROSS CHANGES (FLOWS)
(' 000)

		Males	Married women	All females	Persons
Employment status in—					
May 1980—	June 1980—				
Employed	Employed	3,053.9	1,029.9	1,651.2	4,705.1
	Unemployed	27.7	9.8	19.2	46.9
	Not in the labour force	51.4	67.9	88.4	139.8
Unemployed	Employed	38.3	13.1	25.4	63.7
	Unemployed	105.7	24.6	86.8	192.5
	Not in the labour force	17.5	20.4	35.9	53.4
Not in the labour force	Employed	37.3	62.5	81.1	118.4
	Unemployed	16.0	23.8	37.0	53.0
	Not in the labour force	782.6	1,488.7	2,197.8	2,980.4
Total flows into	Employed	75.6	75.6	106.4	182.0
	Unemployed	43.7	33.6	56.2	99.9
	Not in the labour force	68.9	88.3	124.3	193.2
Total flows out of	Employed	79.1	77.7	107.6	186.7
	Unemployed	55.9	33.5	61.2	117.1
	Not in the labour force	53.3	86.4	118.1	171.4
Total changes of status		188.3	197.6	286.9	475.2
Population represented by the matched sample		4,130.4	2,740.8	4,222.7	8,353.1

NOTE: When comparing figures for different periods, it is important to take into account the population represented by the matched sample, as shown in the last line of the table.

TECHNICAL NOTE

For more information on sample design, estimation procedure and reliability of the estimates, for current and earlier surveys, reference should be made to the technical note in *The Labour Force, Australia, 1978* (6204.0).

Estimation procedures

2. The labour force estimates are derived from the population survey by use of a complex ratio estimation procedure, which ensures that the survey estimates conform to an independently estimated distribution of the population by age and sex, rather than to the age and sex distribution within the sample itself.

Reliability of the estimates

3. Since the estimates in this section are based on information obtained from occupants of a sample of dwellings the estimates and the movements derived from them are subject to sampling variability; that is, they may differ from the figures that would have been produced if all dwellings had been included in the surveys. One measure of the likely difference is given by the *standard error*, which indicates the extent to which an estimate might have varied by chance because only a sample of dwellings was included. There are about two chances in three that a sample estimate will differ by less than one standard error from the figure that would have been obtained if all dwellings had been included, and about nineteen chances in twenty that the difference will be less than two standard errors.

4. Space does not allow for the separate indication of the standard errors of all estimates in this section. Standard errors of estimates for the latest month and of estimates of movements since the previous month are shown in Table I. Standard errors of other estimates and other monthly movements for periods from February 1978 should be determined by using Tables A and B on page 26. Standard errors of estimates and movements for periods prior to February 1978 were published in the technical note in *The Labour Force, Australia, 1978* (6204.0).

5. The size of the standard error increases with the level of the estimate, so that the larger the estimate the larger the standard error. However, it should be noted that the larger the sample estimate the smaller will be the standard error in percentage terms. Thus, larger sample estimates will be relatively more reliable than smaller estimates.

6. Very small estimates are subject to such high standard errors (relative to the size of the estimate) as to detract seriously from their value for most reasonable uses. In the tables in this section, estimates below the levels shown in Table A, and percentages based on such estimates, have not been included. Although figures for these small components can in some cases be derived by subtraction, they should not be regarded as reliable.

7. The movement in the level of an estimate is also subject to sampling variability. The standard error of the movement depends on the levels of the estimates from which the movement is obtained rather than the size of the movement. An indication of the magnitude of standard errors of monthly movements is given in Table B on page 26. The estimates of standard error of monthly movements apply only to estimates of movements between two consecutive months. Movements between corresponding months of consecutive years, or between two other non-consecutive months, will generally be subject to somewhat greater sampling variability than is indicated in Table B. A guide to the standard errors of *quarterly* movements for periods from February 1978 can be obtained by multiplying the figures in the table of standard errors of monthly movements (Table B) by 1.4. A guide to the standard errors of *annual* movements for periods from February 1978 can be obtained by multiplying the figures in the table of standard errors of estimates (Table A) by 1.4.

8. Examples of the calculation and use of standard errors are given below:

- (a) From Table A it will be seen that the estimate of 193,100 unemployed males looking for full-time work in June 1980 has a standard error of about 5,100. Therefore there are about two chances in three that the number that would have been produced if all dwellings had been included in the survey will fall within the range 188,000 to 198,200 and about nineteen chances in twenty that the number will fall within the range 182,900 to 203,300.
- (b) The estimate of movement in the number of unemployed males looking for full-time work from May to June 1980 is a decrease of 7,900. Table B relates the standard error of the monthly movement to the larger of the two estimates from which the movement is derived. In this case the May 1980 estimate (201,000) is the larger. From Table B it will be seen that the standard error of the monthly movement is about 4,300. Therefore there are about two chances in three that if all dwellings had been included in the surveys the movement would have been within the range -12,200 to -3,600 and about nineteen chances in twenty that it would have been within the range -16,500 to +700.

9. The standard errors of estimates relating to agricultural employment are generally somewhat higher than the standard errors of other estimates of the same magnitude. Estimates for females also tend to have higher standard errors than estimates of equivalent size for males in similar categories. Standard errors for capital cities are approximately the same as those for corresponding States.

10. The reliability of an estimated percentage, computed by using sample data for both numerator and denominator, depends upon both the size of the numerator and the size of the denominator. However, the per cent standard error of the estimated percentage will generally be lower than the per cent standard error of the estimate of the numerator. The per cent standard errors of the numerators can be obtained from Table A.

11. The imprecision due to sampling variability, which is

measured by the standard error, should not be confused with inaccuracies that may occur because of imperfections in reporting by interviewers and respondents. Inaccuracies of this kind are referred to as the *non-sampling error*, and they may occur in any enumeration, whether it be a full count or only a sample. Every effort is made to reduce the non-sampling error to a minimum by careful design of questionnaires, intensive training and supervision of interviewers and efficient operating procedures.

TABLE A. STANDARD ERRORS OF ESTIMATES

[illegible]

TABLE B. STANDARD ERRORS OF ESTIMATES OF MONTHLY MOVEMENTS

[illegible]

POPULATION SURVEY REPORTS

Although emphasis in the population survey is placed on the regular collection of data on demographic and labour force characteristics, supplementary and special surveys of particular aspects of the labour force or of other subjects are carried out from time to time. The results of these surveys are published separately. Copies of the following publications are available free on request.

<i>Title</i>	<i>Catalogue No.</i>
Supplementary surveys	
Australia	
Alcohol and Tobacco Consumption Patterns, February 1977	4312.0
Annual and Long Service Leave, August 1974; May 1979	6317.0
Assisted and Unassisted Migrants, August 1972	3406.0
Birth Expectations of Married Women, November 1976; June 1979	3215.0
Child Care—May 1969; May 1973; May 1977	4402.0
Chronic Illnesses, Injuries and Impairments—May 1968; May 1974	4305.0
Employment Status of Teenagers, August 1978(a)	6234.0
Evening and Night Work, November 1976	6329.0
Ex-service Personnel, November 1966; November 1971	4403.0
October 1979 (Preliminary)	4404.0
Family Status and Employment Status of the Population, November 1974 and 1975	6223.0
Frequency of Pay—August 1974, 1976 and 1977	6320.0
Health Insurance, March 1979	4335.0
March 1980 (Preliminary)	4341.0
Hearing and the Use of Hearing Aids, September 1978	4336.0
Home Ownership and Rental, November 1978	8710.0
Income Distribution, 1968-69 (Consolidated and Revised Edition)	6505.0
Income Distribution, 1973-74—	
Part 1 (Tables relating to individuals)	6502.0
Part 2 (Tables relating to families)	6503.0
Part 3 (Supplementary Tables)	6504.0
Internal Migration—	
Conducted each year since 1970 (except 1976); Latest issue, 1979	3408.0
Job Tenure—February 1974; February 1975; August 1976	6211.0
Journey to Work and Journey to School—May 1970; August 1974	9205.0
Labour Force Experience—	
During 1968; 1972; 1974; 1975; 1976; 1978	6206.0
During 1979 (Preliminary)	6205.0
Labour Force Status and Other Characteristics of Families, November 1974; July 1979	6224.0
Labour Mobility—	
November 1972; February 1975, 1976 and 1979	6209.0
February 1980 (Preliminary)	6208.0
Leavers from Schools, Universities and Other Educational Institutions—	
Conducted each year since 1964. Latest issue, May 1979	6227.0
Migrants in the Labour Force, 1972 to 1976	6230.0
Multiple Jobholding—	
November 1965; August 1966 and 1967; May 1971; August 1973, 1975, 1977 and 1979	6216.0
Non-School Study Courses, Survey of, August 1968	Not listed
Persons Covered by Hospital and Medical Expenditure Assistance Schemes, August 1972	4303.0
Persons Aged 15 to 64 Years : Employment Status and Period Since Leaving School, May 1976	6225.0
Persons Not in the Labour Force (including Discouraged Jobseekers)—	
November 1975; May 1977; March 1979; September 1979	6220.0
Persons Looking for Work—	
May 1976; November 1976; May 1977; July 1978; July 1979	6222.0
School Leavers, 1970 to 1974 : Their Employment Status and Education Experience in May 1975	6226.0
Superannuation, Survey of, February 1974	6319.0
The Labour Force : Country of Birth and Period of Residence, February 1972	6207.0
The Labour Force : Educational Attainment, Australia, February 1979	6235.0
Trade Union Members, November 1976	6325.0
Unemployed Persons : Income Distribution, Australia, 1978-79 (Preliminary)	6520.0
Weekly Earnings of Employees (Distribution) August 1975 to August 1979 (annually)	6310.0
Work Patterns of Employees, November 1976	6328.0

(a) Estimates derived from labour force surveys. For more recent estimates, see Table 6 of this publication.

POPULATION SURVEY REPORTS — *continued*

Title	Catalogue No.
Supplementary surveys — <i>continued</i>	
States	
Status of Immunity to Diphtheria and Poliomyelitis, Children aged 2 months and under 3 years, and 6 or 7 years, February 1972 (New South Wales)	4304.1
Superannuation, Victoria, May 1968	Not listed
Domestic Appliance and Energy Usage, South Australia, April 1979	8207.4
Housing Intentions of South Australians, November 1979	8705.4
Household Energy Sources, Tasmania, August 1975; June 1978	8204.6
Use of Health Services, South Australia, 1971	4031.4
Private Water Bores or Wells (Perth Statistical Division), Western Australia, November 1978	8708.5
Special surveys	
Dental Health (persons aged 15 years or more), February-May 1979	4339.0
Employment Benefits, February to May 1979 (Preliminary)	6332.0
Sight, Hearing and Dental Health (persons aged 2 to 14 years), February-May 1979	4337.0
Sight Problems and the use of Glasses/Contact Lenses (persons aged 15 years or more), February-May 1979	4338.0
Survey of Persons Registered with the CES as Unemployed, March 1977	6229.0
Working Conditions, February to May 1979 (Preliminary)	6333.0

2. JOB VACANCIES

Surveys of job vacancies were conducted in March each year from 1974 to 1978 and quarterly, by telephone, from May 1977 to May 1978, after which they were suspended. The quarterly surveys were reintroduced in May 1979. For further details and estimates for earlier periods see *Job Vacancies, Australia, February 1980* (6231.0).

A job vacancy is defined as a job available for immediate filling on the survey date and for which recruitment action has been taken by the employer. Jobs available only to existing employees of an organisation are excluded. In this context the Australian Public Service and the Public Services of the States and the Northern Territory are treated as 'organisations'.

TABLE 25. JOB VACANCIES
(⁰⁰⁰)

AUSTRALIA									
	May 1979	August 1979	November 1979	February 1980	May 1980	Standard error			
For males	14.8	13.7	13.0	15.0	12.5	1.0			
For females	6.2	5.8	5.0	5.0	3.6	0.7			
For males or females	13.3	13.4	16.3	16.9	13.7	1.0			
Manufacturing	9.8	10.1	8.5	11.3	9.1	0.9			
Metal products, machinery and equipment	5.2	5.7	4.5	6.0	5.4	0.6			
Basic metal and fabricated metal products;									
other machinery, etc.	3.6	4.4	3.6	5.1	4.6	0.6			
Transport equipment	1.6	1.3	0.9	0.9	0.8	0.1			
Other manufacturing	4.6	4.4	4.0	6.1	3.7	0.6			
Other industries	24.5	22.9	25.9	25.7	20.7	1.5			
Wholesale and retail trade	6.1	4.5	4.7	5.2	4.0	0.8			
Transport and storage; communication	1.1	1.4	1.9	2.7	1.6	0.1			
Public administration; community services	10.0	8.8	11.8	11.2	9.3	0.7			
Other	7.3	8.2	7.5	6.6	5.8	0.9			
Total	34.3	33.0	34.3	36.9	29.8	1.7			
STATES AND TERRITORIES									
Month	N.S.W.	Vic.	Qld	S.A.	W.A.	Tas.	N.T.	A.C.T.	Australia
Total—									
1979—									
May	14.0	10.6	3.5	2.2	2.1	(a)0.7	0.5	0.7	34.3
1980—									
February	16.2	10.3	3.8	1.6	2.5	(a)1.0	(a)0.7	0.8	36.9
May	13.0	8.1	3.0	1.4	2.2	0.8	0.5	0.8	29.8
Manufacturing—									
1979—									
May	3.9	4.1	(a)0.7	0.7	(a)0.4	0.1	—	—	9.8
1980—									
February	6.0	3.3	(a)0.4	(a)0.5	(a)0.5	*	*	*	11.2
May	5.1	2.6	(a)0.4	0.6	0.2	*	—	—	9.1
Other industries—									
1979—									
May	10.1	6.5	2.8	1.5	1.8	(a)0.7	0.5	0.7	24.5
1980—									
February	10.2	7.0	3.5	1.0	2.0	(a)0.8	0.5	0.8	25.7
May	7.9	5.5	2.6	0.8	2.0	(a)0.7	0.5	0.8	20.7
Government—									
1979—									
May	4.7	2.9	1.7	0.9	0.9	*	0.2	0.6	12.3
1980—									
February	6.6	3.8	2.4	0.6	1.0	*	(a)0.3	0.7	15.9
May	5.4	3.4	1.8	0.6	0.5	*	0.2	0.7	13.1
Private—									
1979—									
May	9.4	7.6	1.8	1.3	1.3	0.3	0.3	(a)0.1	22.0
1980—									
February	9.6	6.5	1.5	1.0	1.5	*	(a)0.4	(a)0.1	21.0
May	7.6	4.6	1.2	0.8	1.7	(a)0.3	0.3	(a)0.1	16.7

(a) Standard error greater than 20 per cent but less than 30 per cent.